

The maximum distance from the scanner to the host and the power supply is: 6 feet (USB interface). The scanner should be placed in a location that minimizes Electro-magnetic Interference (EMI), a minimum of 1 foot away from monitors.

Place the scanner on a level surface on or near the host computer. Leave space to open the cover, and to insert a form.

## 2 Choosing a Location

To repack the scanner, consult the above illustration and use the original packing materials.



Save all packing materials in case you need to repack the scanner. To report a scanner that was damaged during shipping, see "Contact Information" on the last page of this guide.

## 1 Unpacking the Scanner

1. Make sure the unit is on a level surface.
2. Connect the Power Supply to the Scanner.
3. Connect the Power Supply to the Power Source.
4. Make sure the Scanner is powered off (green LED on Front of scanner will not be lit.)
5. Connect The USB cable to the back of the scanner.
6. Load drivers on the PC. (See Section 5)
7. Connect the USB Cable to the PC and turn the scanner on.



## 3 Connecting the Cables

**Caution:** Be sure the power switch is turned off before connecting cables.

3

### Federal Communications Commission (FCC) Radio Frequency Interference Statement

#### Warning

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

#### Note

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

#### Information to the User

This equipment must be installed and used in strict accordance with the manufacturer's instructions. However, there is no guarantee that interference of radio communications will not occur in a particular commercial installation. If this equipment does cause interference, which can be determined by turning the equipment off and on, the user is encouraged to contact Pertech immediately.

Pertech is not responsible for any radio of television interference caused by unauthorized modification of this equipment, or the substitution of attachment or connection cables and equipment other than those specified by Pertech. The correction of interferences caused by such unauthorized modification, substitution or attachment will be the responsibility of the user.

#### Important Information to the User

In order to ensure compliance with the Product Safety, FCC and additional agency markings requirements, you must use the power supply, power cord, and interface cable which were shipped with this product.

#### Power Supply

(LPS) output for use in North America, input rated 100 - 240 Vac, 1.5 A, 50/60 Hz, Output rated 24Vdc, 1.25 A Maximum and 30W Maximum. Use of this product with a power supply other than the approved Pertech power supply supplied will require you to test this power supply and the Pertech scanner for FCC and additional agency mark certifications. For more information check with your Pertech representative for current agency requirements.

#### Interface Cable

A shielded (360 degree) USB certified interface cable must be used with this product. The shield must be connected to the frame or earth ground reference at each end of the cable.

Use of a cable other than the cable described here will require that you test this cable with the Pertech scanner and your system for FCC and USB mark certification.

#### Disclaimer

Information in this document is subject to change without notice. Consult your Pertech sales representative for information that is applicable and current. Pertech reserves the right to improve products as new technology, components, software and firmware become available.

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#### Industry Canada

This Class A digital apparatus complies with Industry Canada Standard ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 d'Industrie Canada.

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**Contact Information:  
Documentation, Warranty  
& Technical Support**

Call: 800-800-6614  
[www.pertechresources.com](http://www.pertechresources.com)

## 6100 Teller Scanner:

# Setup Guide





## 4 About the 6100 Scanner

The 6100 scanner is a manual single sheet feed imaging solution that has duplex imaging, (both front and back of form). The scanner is capable of rear exit single pass stacking of at least 10 checks, and images standard 256 bit gray scale @ 200DPI imaging. Image compression is CCITT G4 (black/white) or JPEG (grayscale). The 6100 Series Scanner also has an optional MICR reader and form defacing stamp. USB 2.0 interface comes as the standard interface.

MICR reader is in line with the image scanner with on-board firmware decoding of E13B MICR characters. Includes form insert detection. Memory 32MB of DRAM upgradable to a maximum of 64mBA and super fast speed of document processing of 10 inches per second.



### Features Identification

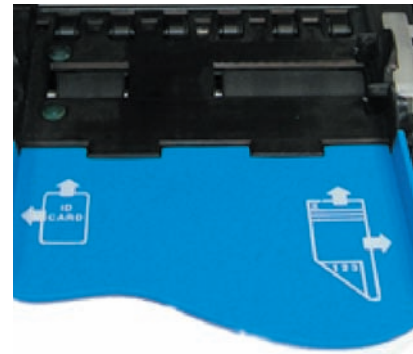
1. Pressure Rollers
2. Imaging Head
3. MICR Read Head
4. Entrance to Rear Exit Tray
5. Stamp Release Actuator
6. Defacing Stamp
7. ID Card Sensors
8. Form-in Sensor
9. Mechanism Feed Sensor
10. LED Indicator
11. Entrance Tray
12. ID Card Diverter
13. Mid-Field Sensor

1. ID Card Exit Path
2. Id Card Exit
3. USB Interface
4. Power Connector
5. Power Switch

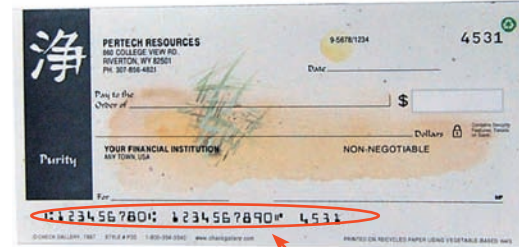
## 7 Form Handling

The 6100 teller scanner handles forms between 2 and 3.67 inches wide and 3.15 to 8.75 inches in length. The scanner will handle thicknesses between #16 to #32 (3.0 to 7.5 mills; .032" for ID Cards), with rear exit single pass stacking of a minimum of 10 checks. The unit has a in-line MICR reader with on board software for decoding E13B MICR characters.

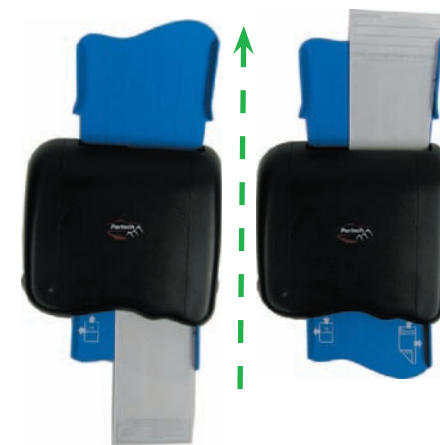
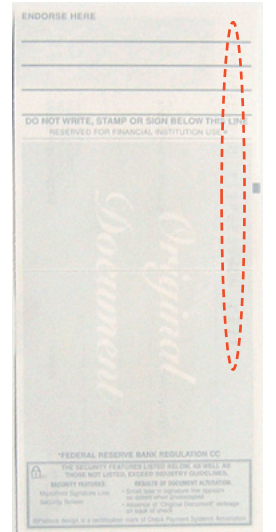
**To load a form into the scanner insert the form justified to the right, face down with the MICR line to the right side of the scanner.**



Check face down with MICR Line to Right side



MICR Line



### Form Scanning Process

The application software calls for the user to insert a form into the scanner, the Green Power On LED begins blinking to indicate that the scanner is waiting for a form. There are two sensors (#8,#9) identified in the Features Identification on this fold out. The first sensor tells the scanner that a form is present, activates feed the motor and draws the form into the scanner.

The second sensor if activated passes the form through to the imaging heads and MICR reader and ejects the form out the back of the scanner onto the Exit Tray. If the second sensor does not activate, as in the case of a inserted form being skewed, the feed motor will reverse and return the form to the user out the front of the scanner. The user will need to realign the form with the right side of the scanner Entrance Tray before feeding the form.

## 5 Hardware and Software Requirements

USB 2.0  
Windows XP or 2000 Operating System  
Windows drivers are available off the Pertech Web site.

[www.pertechresources.com](http://www.pertechresources.com)

Pertech can supply an API for developers who wish to interface the scanner directly into their application software. Contact your Pertech Representative for the necessary files and documentation.

## 6 LED Indicators

Equipped with one three color led indicator that identifies Power on, Ready for Form, and Error.

Status	Right LED
Power On	Green
Insert form	Blink Green
Error	Red



LED functions can also be defined via control commands. Application developers see the 6100 programing manual for details. Contact your Pertech Representative for the necessary files and documentation.

## 8 Preventive Maintenance

There is no customer maintenance required for the 6100 scanners. However, scanners gather paper dust and other debris through normal use, continued accumulation can eventually lead to imaging issues. A general preventive maintenance program can help reduce unnecessary failures and downtime. Pertech recommends that you occasionally clean lint and paper dust out of the scanner using low pressure canned air. It is recommended that this be done on a regular basis, such as once a month. Clean the cabinet as needed to remove finger marks and dust. Use any household cleaner designed for plastics, but test it first on a small, unseen area. Additionally, contact sensors should be cleaned with an approved Pertech Card Cleaning Device.

**Caution:** Do not spray or try to clean the heads or the inside of the scanner with any kind of cleaner. This may damage the heads or the electronics.